

(No Model.)

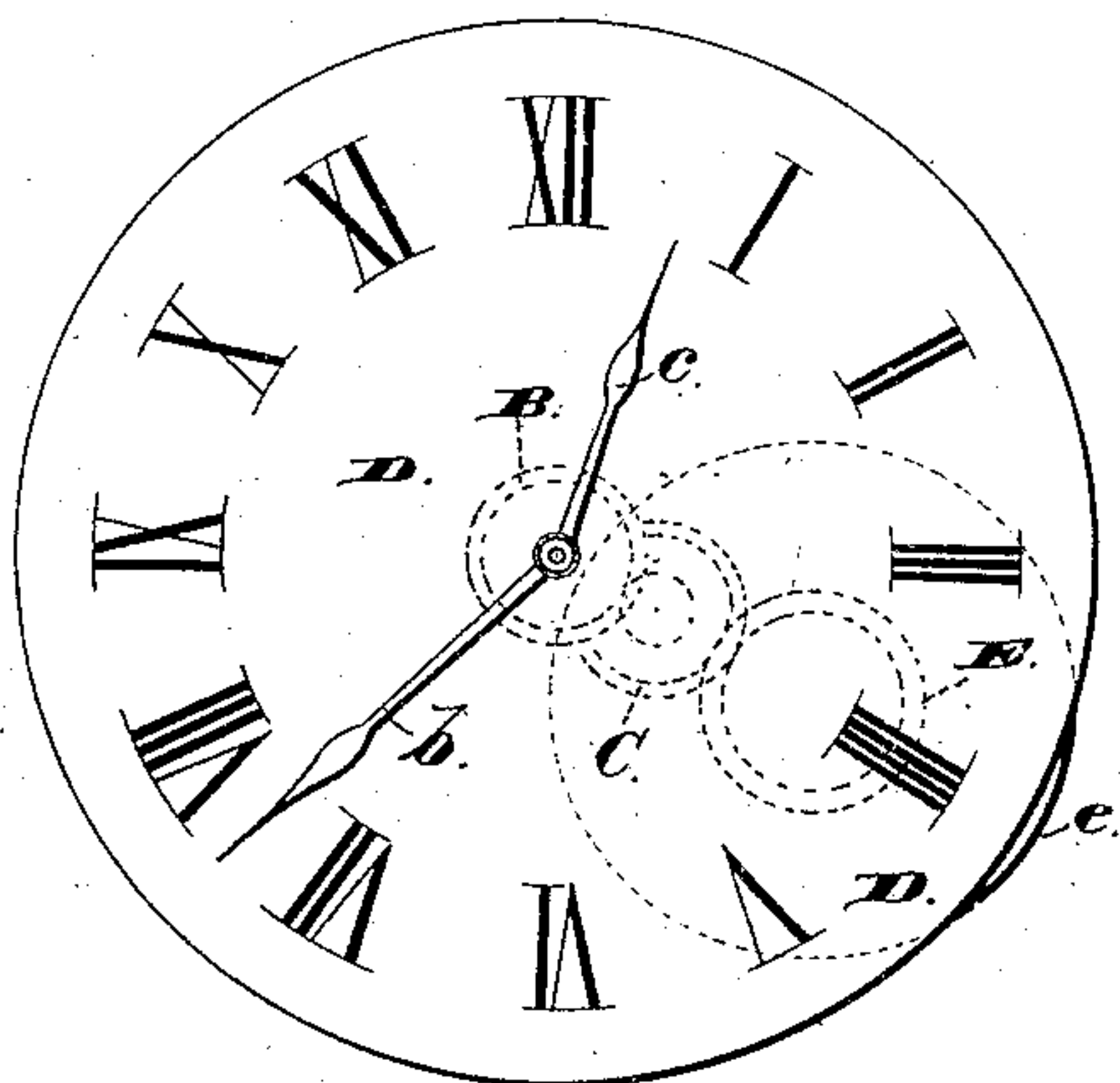
W. E. DOOLITTLE.

HAND SETTING MECHANISM FOR WATCHES.

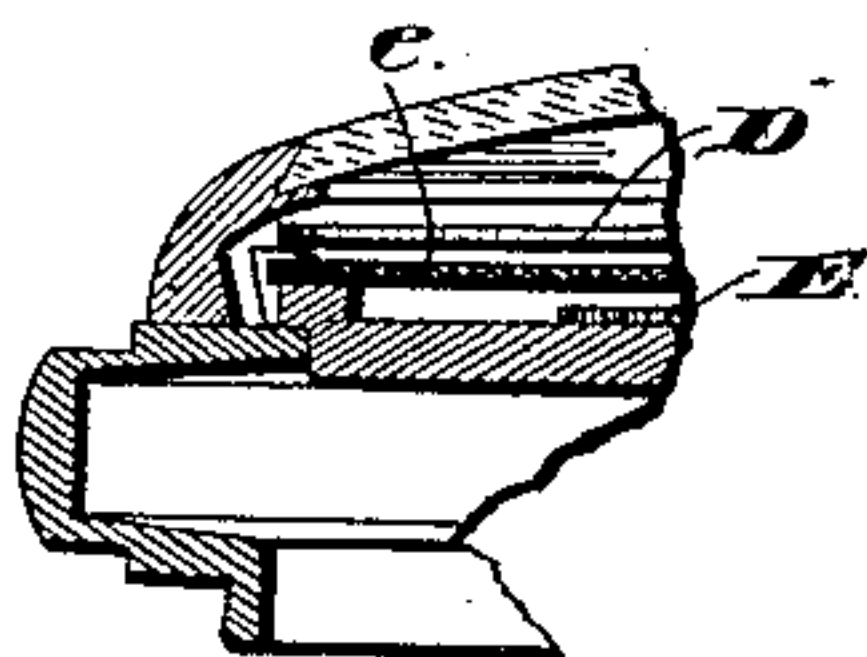
No. 323,795.

Patented Aug. 4, 1885.

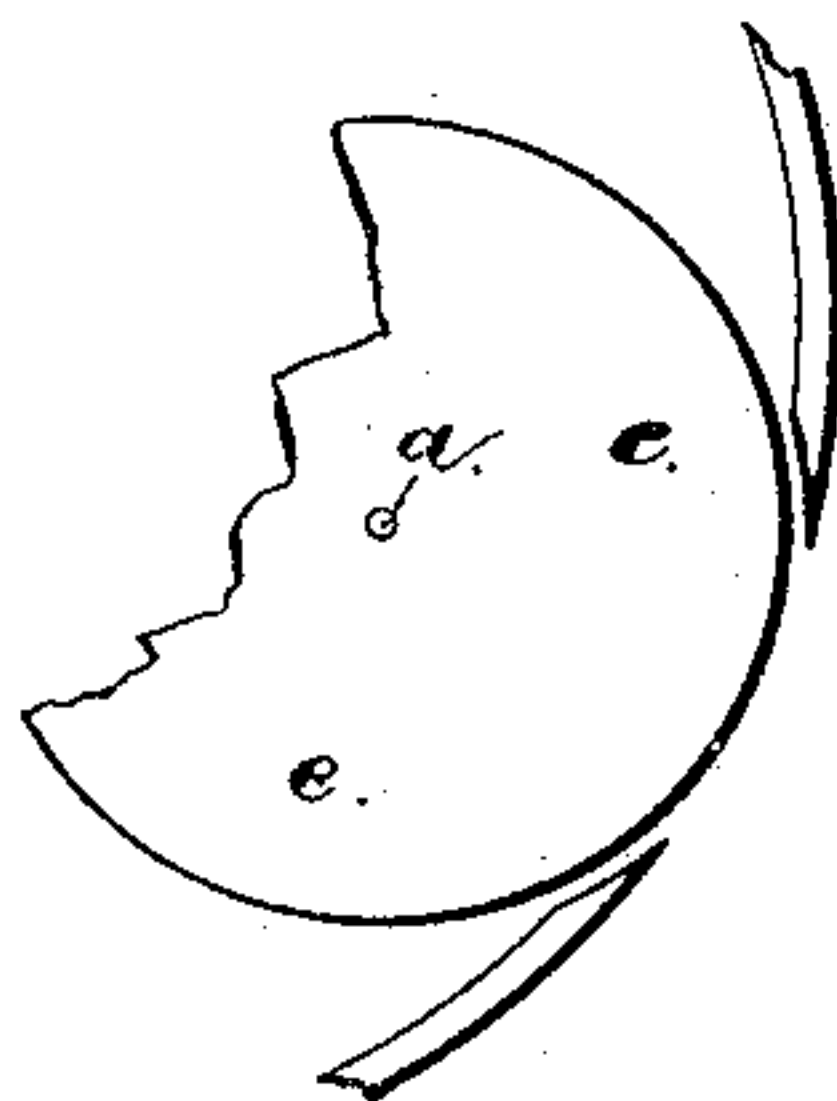
*Fig. 1.*



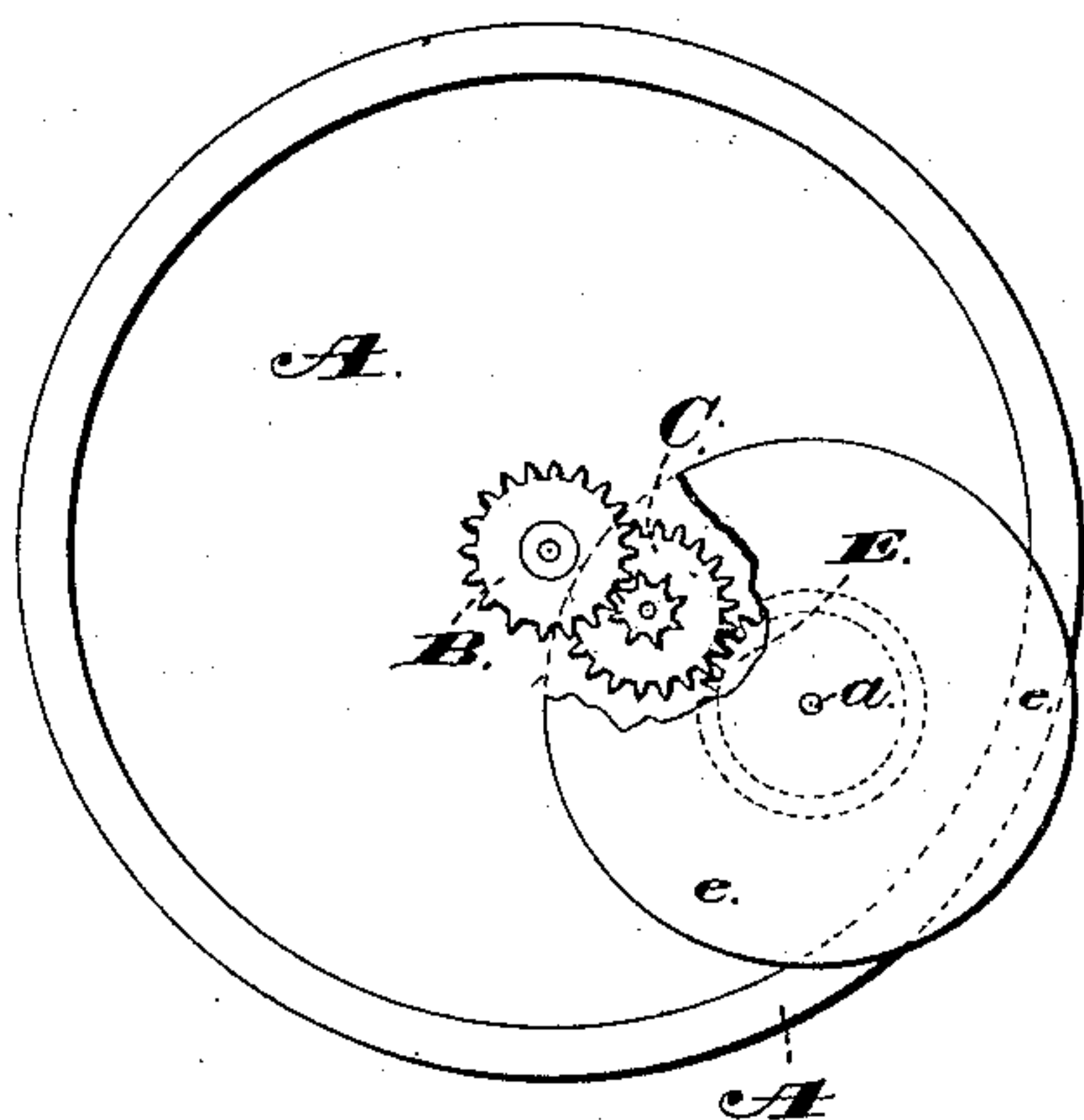
*Fig. 3.*



*Fig. 4.*



*Fig. 2.*



Witnesses:

Jas. C. Hutchinson.  
Henry C. Hazard.

Inventor.

Wm. E. Doolittle, by  
Chandler & Russell, his Attys.

# UNITED STATES PATENT OFFICE.

WILLIAM E. DOOLITTLE, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO  
THE NEW HAVEN WATCH COMPANY, OF SAME PLACE.

## HAND-SETTING MECHANISM FOR WATCHES.

SPECIFICATION forming part of Letters Patent No. 323,795, dated August 4, 1885.

Application filed June 21, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM E. DOOLITTLE, of New Haven, in the county of New Haven, and in the State of Connecticut, have invented certain new and useful Improvements in Hand-Setting Mechanism for Watches; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which—

Figure 1 is a plan view of a watch-movement containing my improved hand-setting mechanism. Fig. 2 is a like view of the same with the dial removed. Fig. 3 is a detail sectional view of the movement with the bezel closed, and Fig. 4 a detail plan view of the same with the bezel open.

Letters of like name and kind refer to like parts in each of the figures.

The design of my improvement is to enable a watch to be easily and cheaply provided with means whereby the hands may be set, to which end said invention consists in the construction, arrangement, and combination of parts, as hereinafter specified.

In the annexed drawings, A represents the top or pillar plate of a watch, which is provided with the usual dial-wheels, B and C, minute-hand *b*, hour-hand *c*, and dial D.

Journaled upon a stud, *a*, that is secured upon or connected with the plate A, is a toothed wheel, E, which meshes with the dial-wheel C, and has secured to one side a disk, *e*, that has such diameter as to cause its edge to project slightly beyond the dial D in convenient position to enable it to be engaged by the finger of a person, and thereby turned upon its axial bearing.

The rotation of the disk *e* causes the wheel E and the dial-wheels B and C to be rotated, and enables the hands *b* and *c* to be set at any desired points; but as said wheel E, while thus in engagement with said dial-wheels, will be constantly rotated by the motion of the train, I preferably arrange the stud *a* so that it may be moved toward or from said dial-wheels to enable said wheel E to be thrown into engagement therewith when it is desired to set said hands and to be moved out of engagement when not thus in use.

The disk *e*, being entirely concealed when the bezel of the case is shut down and only accessible after said bezel has been opened, does not in any manner change the appearance of the watch or render its hands liable to derangement from use of said watch.

The mechanism described is inexpensive, and may be easily and cheaply applied to any style or make of watch, and when thus applied may be used with but little more trouble than can be any of the usual forms of stem-setting mechanism.

I do not claim herein a hand-setting disk which normally extends or projects at its outer edge beyond the watch-case. Such construction and arrangement of parts is old, and is obviously very objectionable, as making necessary an opening in the case-side which will admit dust, and as leaving the outer edge of the disk entirely unprotected as the watch is carried in the pocket. In my construction and arrangement of parts, on the other hand, no opening is made through the case-side, and the setting-disk is entirely concealed and protected until the glass bezel is opened or raised.

Having thus fully set forth the nature and merits of my invention, what I claim as new is—

1. In a watch, in combination with the dial train or wheels, a rotary disk having its edge projecting beyond the dial-edge, but concealed by the bezel, and connecting gearing or devices by which the dial-wheels can be turned by rotation of the disk, substantially as and for the purpose described.

2. In a watch, in combination with the dial-wheels, a setting-wheel by which the dial-wheel can be rotated, and a rotary disk connected with the setting-wheel and having its edge projecting beyond the dial-edge, but concealed by the bezel when the same is down or closed, substantially as and for the purpose described.

In testimony that I claim the foregoing I have hereunto set my hand this 19th day of April, 1884.

WM. E. DOOLITTLE.

Witnesses:

RUFUS S. PICKETT,  
JAMES BISHOP.